

Water-Data Report 2008

443113068115101 Local number ME-HW181 South of U.S. Route 1 in Sullivan, Maine

Hancock County, ME

LOCATION.--Lat 44°31'12", long 68°11'53" referenced to North American Datum of 1983, Hancock County, ME, Hydrologic Unit 01050002, 350 ft east of State Route 200 and U.S. Route 1 intersection. Owner: private.

GROUND-WATER RECORDS

AQUIFER.--Undefined.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 245 ft, cased in steel to 40 ft, open hole.

DATUM.--Elevation of land-surface datum is 42 ft above North American Vertical Datum of 1988. Measuring point: Top of casing, 2.0 ft above land-surface datum. Land surface datum is at the general land surface.

PERIOD OF RECORD.--January 2008 to September 2008.

GAGE.--Electronic water-level recorder. Satellite telemeter at station.

REMARKS.--Missing record, May 6 and June 25-26. Water level affected by earth tides and pumping.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE

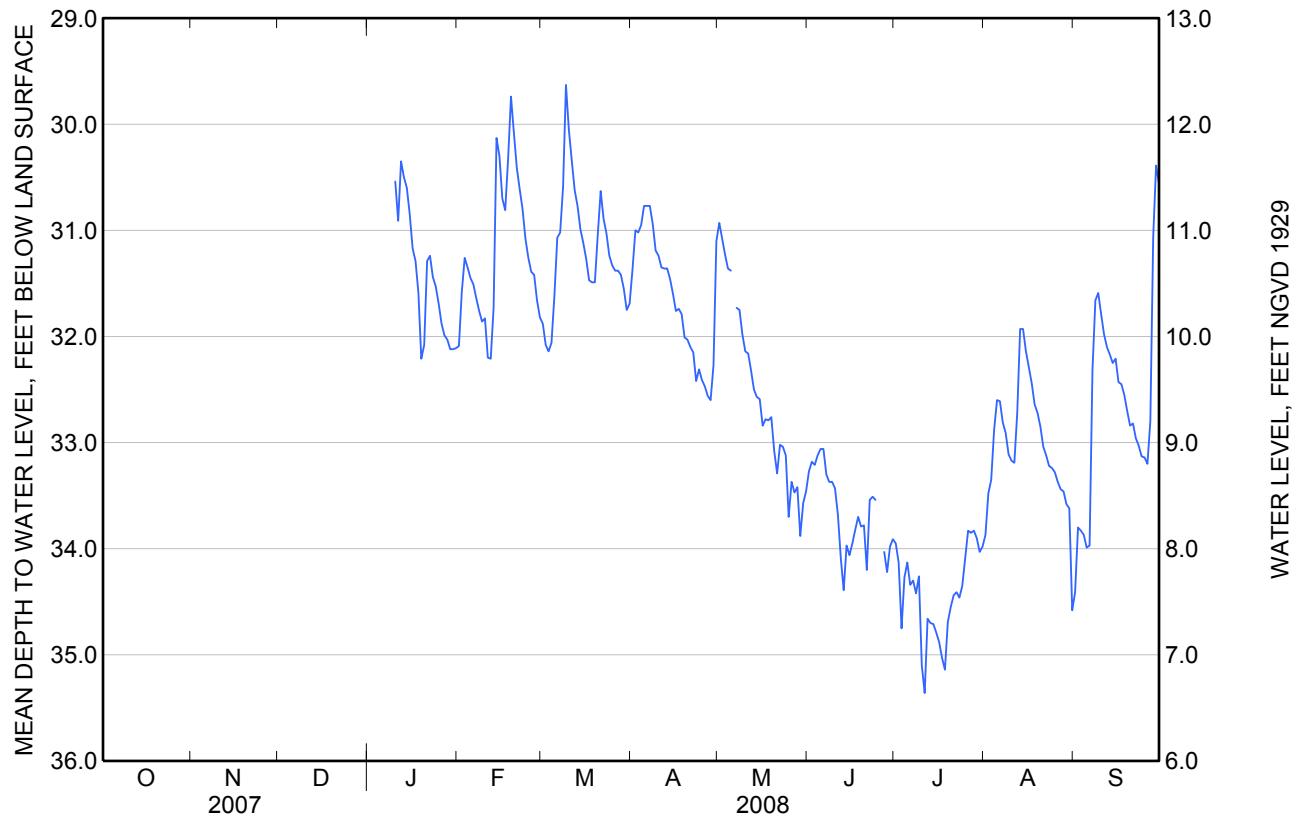
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

DAILY MEAN VALUES

[m, measured]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	32.09	31.88	31.37	30.93	33.27	33.95	33.87	34.41
2	---	---	---	---	31.58	32.08	31.00	31.08	33.18	34.13	33.48	33.80
3	---	---	---	---	31.26	32.14	31.02	31.23	33.21	34.75	33.35	33.83
4	---	---	---	---	31.35	32.06	30.95	31.36	33.12	34.27	32.88	33.87
5	---	---	---	---	31.45	31.62	30.77	31.38	33.06	34.13	32.60	33.99
6	---	---	---	---	31.51	31.07	30.77	---	33.06	34.34	32.61	33.97
7	---	---	---	---	31.64	31.02	30.77	31.73	33.30	34.30	32.81	32.32
8	---	---	---	---	31.76	30.59	30.94	31.75	33.37	34.42	32.91	31.66
9	---	---	---	---	31.86	29.63	31.19	31.98	33.37	34.26	33.11	31.59
10	---	---	---	m30.54	31.83	30.05	31.24	32.14	33.43	35.10	33.17	31.79
11	---	---	---	30.91	32.20	30.34	31.35	32.16	33.68	35.36	33.19	31.98
12	---	---	---	30.35	32.21	30.62	31.36	32.32	34.09	34.66	32.72	32.10
13	---	---	---	30.50	31.73	30.77	31.36	32.50	34.39	34.70	31.93	32.17
14	---	---	---	30.60	30.13	30.99	31.46	32.57	33.97	34.71	31.93	32.25
15	---	---	---	30.85	30.30	31.12	31.60	32.59	34.06	34.79	32.14	32.21
16	---	---	---	31.17	30.70	31.27	31.76	32.84	33.95	34.88	32.29	32.43
17	---	---	---	31.29	30.81	31.47	31.74	32.78	33.82	35.03	32.44	32.45
18	---	---	---	31.59	30.33	31.49	31.79	32.79	33.70	35.14	32.64	32.55
19	---	---	---	32.21	29.74	31.49	32.01	32.76	33.79	34.69	32.72	32.70
20	---	---	---	32.08	30.08	31.04	32.03	33.08	33.78	34.55	32.85	32.84
21	---	---	---	31.29	30.41	30.63	32.10	33.29	34.20	34.44	33.04	32.82
22	---	---	---	31.24	30.61	30.89	32.15	33.02	33.54	34.41	33.12	32.96
23	---	---	---	31.44	30.80	31.03	32.42	33.04	33.51	34.46	33.22	33.03
24	---	---	---	31.53	31.08	31.24	32.31	33.12	33.54	34.35	33.24	33.13
25	---	---	---	31.69	31.26	31.33	32.41	33.70	---	34.09	33.28	33.14
26	---	---	---	31.88	31.39	31.38	32.47	33.37	---	33.83	33.37	33.20
27	---	---	---	31.99	31.42	31.38	32.56	33.47	34.03	33.85	33.44	32.80
28	---	---	---	32.03	31.66	31.42	32.60	33.42	34.22	33.83	33.46	31.06
29	---	---	---	32.12	31.82	31.55	32.27	33.88	33.98	33.90	33.58	30.39
30	---	---	---	32.12	---	31.75	31.10	33.57	33.91	34.03	33.62	30.56
31	---	---	---	32.11	---	31.69	---	33.46	---	33.98	34.58	---
Mean	---	---	---	---	31.21	31.19	31.63	---	---	34.43	33.02	32.60
Max	---	---	---	---	32.21	32.14	32.60	---	---	35.36	34.58	34.41
Min	---	---	---	---	29.74	29.63	30.77	---	---	33.83	31.93	30.39

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2008 to September 2008.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE, 42 ft below top of casing: January 2008 to June 2008.

SPECIFIC CONDUCTANCE, 220 ft below top of casing: June 2008 to September 2008.

WATER TEMPERATURE, 42 ft below top of casing: January 2008 to June 2008.

WATER TEMPERATURE, 45 ft below top of casing: January 2008 to September 2008.

WATER TEMPERATURE, 220 ft below top of casing: June 2008 to September 2008.

INSTRUMENTATION.--Specific conductance and water temperature monitors at 42 ft and 220 ft below top of casing. Water temperature monitor at 45 ft below top of casing.

REMARKS.--

SPECIFIC CONDUCTANCE, 42 ft below top of casing: Missing record, May 6-10.

SPECIFIC CONDUCTANCE, 220 ft below top of casing: Missing record, June 25-26.

WATER TEMPERATURE, 42 ft below top of casing: Missing record, May 6-7.

WATER TEMPERATURE, 45 ft below top of casing: Missing record, June 25-26.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: 42 ft below top of casing, January 2008 to June 2008; Maximum, 207 microsiemens/cm, Jan. 24; minimum, 96 microsiemens/cm, Apr. 27.

SPECIFIC CONDUCTANCE: 220 ft below top of casing, June 2008 to September 2008; Maximum, 873 microsiemens/cm, June 24-25; minimum, 846 microsiemens/cm, June 26-27.

WATER TEMPERATURE: 42 ft below top of casing, January 2008 to June 2008; Maximum, 8.7°C, on many days; minimum, 8.2°C, on several days.

WATER TEMPERATURE: 45 ft below top of casing, January 2008 to September 2008; Maximum, 8.0°C, on many days; minimum, 7.3°C, on many days.

WATER TEMPERATURE: 220 ft below top of casing, June 2008 to September 2008; Maximum, 8.3°C, on many days; minimum, 8.2°C, on many days.

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**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES**

At depth 42 ft below top of casing

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	160	134	118	112	107	---	---	---
2	---	---	---	---	161	131	117	111	107	---	---	---
3	---	---	---	---	159	132	116	109	107	---	---	---
4	---	---	---	---	155	131	116	110	---	---	---	---
5	---	---	---	---	154	132	117	111	---	---	---	---
6	---	---	---	---	151	130	116	---	---	---	---	---
7	---	---	---	---	149	128	116	---	---	---	---	---
8	---	---	---	---	147	130	115	---	---	---	---	---
9	---	---	---	---	145	131	122	---	---	---	---	---
10	---	---	---	---	145	125	121	---	---	---	---	---
11	---	---	---	178	144	123	121	122	---	---	---	---
12	---	---	---	180	144	124	121	122	---	---	---	---
13	---	---	---	179	146	125	121	121	---	---	---	---
14	---	---	---	180	151	124	121	118	---	---	---	---
15	---	---	---	179	144	124	119	118	---	---	---	---
16	---	---	---	180	142	123	119	118	---	---	---	---
17	---	---	---	180	146	127	118	117	---	---	---	---
18	---	---	---	176	161	124	116	116	---	---	---	---
19	---	---	---	179	161	122	115	116	---	---	---	---
20	---	---	---	183	158	125	115	116	---	---	---	---
21	---	---	---	187	155	124	113	115	---	---	---	---
22	---	---	---	190	155	121	112	114	---	---	---	---
23	---	---	---	191	153	120	110	113	---	---	---	---
24	---	---	---	194	150	118	111	112	---	---	---	---
25	---	---	---	190	144	119	110	113	---	---	---	---
26	---	---	---	185	141	119	109	112	---	---	---	---
27	---	---	---	179	139	118	108	111	---	---	---	---
28	---	---	---	175	136	117	110	110	---	---	---	---
29	---	---	---	169	136	117	112	109	---	---	---	---
30	---	---	---	166	---	115	113	108	---	---	---	---
31	---	---	---	162	---	117	---	107	---	---	---	---
Mean	---	---	---	---	149	124	116	---	---	---	---	---
Max	---	---	---	---	161	134	122	---	---	---	---	---
Min	---	---	---	---	136	115	108	---	---	---	---	---

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**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES**

At depth 220 ft below top of casing

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	849	853	853
2	---	---	---	---	---	---	---	---	---	849	853	853
3	---	---	---	---	---	---	---	---	---	849	853	853
4	---	---	---	---	---	---	---	---	---	850	853	853
5	---	---	---	---	---	---	---	---	859	850	853	853
6	---	---	---	---	---	---	---	---	861	850	853	853
7	---	---	---	---	---	---	---	---	863	851	853	853
8	---	---	---	---	---	---	---	---	863	851	853	853
9	---	---	---	---	---	---	---	---	864	851	853	853
10	---	---	---	---	---	---	---	---	865	851	853	853
11	---	---	---	---	---	---	---	---	865	851	853	853
12	---	---	---	---	---	---	---	---	866	852	853	853
13	---	---	---	---	---	---	---	---	867	852	853	853
14	---	---	---	---	---	---	---	---	867	852	853	853
15	---	---	---	---	---	---	---	---	868	852	853	853
16	---	---	---	---	---	---	---	---	868	852	853	853
17	---	---	---	---	---	---	---	---	869	852	853	853
18	---	---	---	---	---	---	---	---	869	853	853	853
19	---	---	---	---	---	---	---	---	870	852	853	853
20	---	---	---	---	---	---	---	---	870	853	853	853
21	---	---	---	---	---	---	---	---	870	853	853	853
22	---	---	---	---	---	---	---	---	871	853	853	853
23	---	---	---	---	---	---	---	---	871	853	853	853
24	---	---	---	---	---	---	---	---	872	853	853	853
25	---	---	---	---	---	---	---	---	---	853	853	853
26	---	---	---	---	---	---	---	---	---	853	853	853
27	---	---	---	---	---	---	---	---	848	853	853	853
28	---	---	---	---	---	---	---	---	848	853	853	853
29	---	---	---	---	---	---	---	---	848	853	853	853
30	---	---	---	---	---	---	---	---	849	853	853	853
31	---	---	---	---	---	---	---	---	---	853	853	---
Mean	---	---	---	---	---	---	---	---	---	852	853	853
Max	---	---	---	---	---	---	---	---	---	853	853	853
Min	---	---	---	---	---	---	---	---	---	849	853	853

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

At depth 42 ft below top of casing

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	8.7	8.7	8.5	8.4	8.2	---	---	---
2	---	---	---	---	8.7	8.7	8.5	8.4	8.2	---	---	---
3	---	---	---	---	8.7	8.7	8.5	8.3	8.2	---	---	---
4	---	---	---	---	8.7	8.7	8.5	8.3	---	---	---	---
5	---	---	---	---	8.7	8.7	8.5	8.3	---	---	---	---
6	---	---	---	---	8.7	8.7	8.5	---	---	---	---	---
7	---	---	---	---	8.7	8.7	8.5	---	---	---	---	---
8	---	---	---	---	8.7	8.7	8.5	8.3	---	---	---	---
9	---	---	---	---	8.7	8.6	8.5	8.3	---	---	---	---
10	---	---	---	---	8.7	8.6	8.5	8.3	---	---	---	---
11	---	---	---	8.7	8.7	8.6	8.5	8.3	---	---	---	---
12	---	---	---	8.7	8.7	8.6	8.5	8.3	---	---	---	---
13	---	---	---	8.7	8.7	8.6	8.5	8.3	---	---	---	---
14	---	---	---	8.7	8.7	8.6	8.4	8.3	---	---	---	---
15	---	---	---	8.7	8.7	8.6	8.4	8.3	---	---	---	---
16	---	---	---	8.7	8.7	8.6	8.4	8.3	---	---	---	---
17	---	---	---	8.7	8.7	8.6	8.4	8.3	---	---	---	---
18	---	---	---	8.7	8.7	8.6	8.4	8.3	---	---	---	---
19	---	---	---	8.7	8.7	8.6	8.4	8.3	---	---	---	---
20	---	---	---	8.7	8.7	8.6	8.4	8.3	---	---	---	---
21	---	---	---	8.7	8.7	8.6	8.4	8.3	---	---	---	---
22	---	---	---	8.7	8.7	8.6	8.4	8.3	---	---	---	---
23	---	---	---	8.7	8.7	8.6	8.4	8.3	---	---	---	---
24	---	---	---	8.7	8.7	8.6	8.4	8.2	---	---	---	---
25	---	---	---	8.7	8.7	8.6	8.4	8.2	---	---	---	---
26	---	---	---	8.7	8.7	8.6	8.4	8.2	---	---	---	---
27	---	---	---	8.7	8.7	8.6	8.4	8.2	---	---	---	---
28	---	---	---	8.7	8.7	8.6	8.4	8.2	---	---	---	---
29	---	---	---	8.7	8.7	8.6	8.4	8.2	---	---	---	---
30	---	---	---	8.7	---	8.6	8.4	8.2	---	---	---	---
31	---	---	---	8.7	---	8.5	---	8.2	---	---	---	---
Mean	---	---	---	---	8.7	8.6	8.4	---	---	---	---	---
Max	---	---	---	---	8.7	8.7	8.5	---	---	---	---	---
Min	---	---	---	---	8.7	8.5	8.4	---	---	---	---	---

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

At depth 45 ft below top of casing

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	7.9	7.9	7.9	7.7	7.5	7.4	7.3	7.3
2	---	---	---	---	7.9	7.9	7.9	7.7	7.5	7.4	7.3	7.3
3	---	---	---	---	7.9	7.9	7.8	7.7	7.5	7.4	7.3	7.3
4	---	---	---	---	7.9	7.9	7.8	7.7	7.5	7.4	7.3	7.3
5	---	---	---	---	7.9	7.9	7.8	7.7	7.5	7.4	7.3	7.3
6	---	---	---	---	7.9	7.9	7.8	7.7	7.5	7.4	7.3	7.3
7	---	---	---	---	7.9	7.9	7.8	7.7	7.5	7.4	7.3	7.3
8	---	---	---	---	7.9	7.9	7.8	7.7	7.5	7.4	7.3	7.3
9	---	---	---	---	7.9	7.9	7.8	7.7	7.5	7.4	7.3	7.3
10	---	---	---	7.9	7.9	7.9	7.8	7.7	7.5	7.4	7.3	7.3
11	---	---	---	7.9	7.9	7.9	7.8	7.7	7.5	7.4	7.3	7.3
12	---	---	---	7.9	7.9	7.9	7.8	7.7	7.5	7.4	7.3	7.3
13	---	---	---	7.9	7.9	7.9	7.8	7.6	7.5	7.4	7.3	7.3
14	---	---	---	7.9	7.9	7.9	7.8	7.6	7.5	7.4	7.3	7.3
15	---	---	---	7.9	7.9	7.9	7.8	7.6	7.5	7.4	7.3	7.3
16	---	---	---	7.9	8.0	7.9	7.8	7.6	7.5	7.4	7.3	7.4
17	---	---	---	7.9	8.0	7.9	7.8	7.6	7.5	7.4	7.3	7.4
18	---	---	---	7.9	8.0	7.9	7.8	7.6	7.5	7.4	7.3	7.4
19	---	---	---	7.9	7.9	7.9	7.8	7.6	7.5	7.4	7.3	7.4
20	---	---	---	7.9	8.0	7.9	7.8	7.6	7.5	7.3	7.3	7.4
21	---	---	---	7.9	8.0	7.9	7.8	7.6	7.5	7.3	7.3	7.4
22	---	---	---	7.9	8.0	7.9	7.8	7.6	7.5	7.3	7.3	7.4
23	---	---	---	7.9	8.0	7.9	7.8	7.6	7.5	7.3	7.3	7.4
24	---	---	---	7.9	8.0	7.9	7.8	7.6	7.4	7.3	7.3	7.4
25	---	---	---	7.9	8.0	7.9	7.7	7.6	---	7.3	7.3	7.4
26	---	---	---	7.9	8.0	7.9	7.7	7.6	---	7.3	7.3	7.4
27	---	---	---	7.9	8.0	7.9	7.7	7.6	7.5	7.3	7.3	7.4
28	---	---	---	7.9	8.0	7.9	7.7	7.6	7.4	7.3	7.3	7.4
29	---	---	---	7.9	8.0	7.9	7.7	7.6	7.4	7.3	7.3	7.4
30	---	---	---	7.9	---	7.9	7.7	7.6	7.4	7.3	7.3	7.4
31	---	---	---	7.9	---	7.9	---	7.6	---	7.3	7.3	---
Mean	---	---	---	---	7.9	7.9	7.8	7.6	---	7.4	7.3	7.3
Max	---	---	---	---	8.0	7.9	7.9	7.7	---	7.4	7.3	7.4
Min	---	---	---	---	7.9	7.9	7.7	7.6	---	7.3	7.3	7.3

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

At depth 220 ft below top of casing

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	8.3	8.3	8.3
2	---	---	---	---	---	---	---	---	---	8.3	8.3	8.3
3	---	---	---	---	---	---	---	---	---	8.3	8.3	8.3
4	---	---	---	---	---	---	---	---	---	8.3	8.3	8.3
5	---	---	---	---	---	---	---	---	8.2	8.2	8.3	8.3
6	---	---	---	---	---	---	---	---	8.2	8.3	8.3	8.3
7	---	---	---	---	---	---	---	---	8.2	8.3	8.3	8.3
8	---	---	---	---	---	---	---	---	8.2	8.3	8.3	8.3
9	---	---	---	---	---	---	---	---	8.2	8.3	8.3	8.3
10	---	---	---	---	---	---	---	---	8.2	8.3	8.3	8.3
11	---	---	---	---	---	---	---	---	8.2	8.3	8.2	8.3
12	---	---	---	---	---	---	---	---	8.3	8.3	8.3	8.3
13	---	---	---	---	---	---	---	---	8.2	8.3	8.3	8.3
14	---	---	---	---	---	---	---	---	8.2	8.3	8.3	8.3
15	---	---	---	---	---	---	---	---	8.2	8.2	8.2	8.3
16	---	---	---	---	---	---	---	---	8.2	8.3	8.3	8.3
17	---	---	---	---	---	---	---	---	8.2	8.2	8.3	8.3
18	---	---	---	---	---	---	---	---	8.2	8.3	8.3	8.3
19	---	---	---	---	---	---	---	---	8.2	8.3	8.3	8.3
20	---	---	---	---	---	---	---	---	8.2	8.3	8.3	8.3
21	---	---	---	---	---	---	---	---	8.2	8.3	8.3	8.3
22	---	---	---	---	---	---	---	---	8.2	8.2	8.3	8.3
23	---	---	---	---	---	---	---	---	8.2	8.2	8.3	8.3
24	---	---	---	---	---	---	---	---	8.2	8.2	8.3	8.3
25	---	---	---	---	---	---	---	---	8.2	8.3	8.3	8.3
26	---	---	---	---	---	---	---	---	8.3	8.3	8.3	8.3
27	---	---	---	---	---	---	---	---	8.3	8.3	8.3	8.3
28	---	---	---	---	---	---	---	---	8.3	8.3	8.3	8.3
29	---	---	---	---	---	---	---	---	8.3	8.3	8.3	8.3
30	---	---	---	---	---	---	---	---	8.3	8.3	8.3	8.3
31	---	---	---	---	---	---	---	---	---	8.3	8.3	---
Mean	---	---	---	---	---	---	---	---	---	8.3	8.3	8.3
Max	---	---	---	---	---	---	---	---	---	8.3	8.3	8.3
Min	---	---	---	---	---	---	---	---	---	8.2	8.2	8.3